

REPLACED BY  
ART 34 AMDT

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Rec'd PCT/PTO 07 AUG 2001

PCT/NZ00/00011

IMPROVEMENTS IN OR RELATING TO CONTROL AND/OR  
MONITORING SYSTEMS

This invention relates to improvements in or relating to control and/or monitoring systems.

- 5 Reference around the specification should be made to the present invention in relation to security systems which are in fact control and/or monitoring systems.

BACKGROUND ART

- An increasing number of security systems are being installed world-wide. Further, existing security systems are continually being upgraded as technology becomes 10 smarter, more monitoring/control devices are available, and the desire for increased security increases.

Most complexes into which the systems are installed have existing communications networks. These networks all have various constraints which may include cabling, data transmission, processing and storage.

- 15 Each time a peripheral device for a security system is added to the communications network, a number of tasks maybe required to enable this to happen. These may include

- Adding additional software to the server of the communications network to process/translate the data entering the network from the peripheral.
- 20 • Adding extra cabling to connect the peripheral to the local area network or directly to the server.

**THE CLAIMS DEFINING THE INVENTION ARE:**

1. A data capture device which includes
  - a data capture means, and
  - a data output, and

the data capture device characterised in that it includes processing means that to process the captured data into a format suitable for communication through the data output.
2. A data capture device as claimed in claim 1 wherein

the capture device is a peripheral device for use in a monitoring system, and

the data is processed into a format suitable for communication to another component in the monitoring system through the data output.
3. A data capture device as claimed in either claim 1 or claim 2 includes a memory device capable of recording selected data.
4. A data capture device as claimed in any one of claims 1 to 3 which is capable of communicating only selected data.
5. A data capture device as claimed in any one of claims 1 to 4 which includes the feature of alarm and event monitoring.

6. A data capture device as claimed in any one of claims 1 to 5 wherein the selected date recorded is the data immediately surrounding and including an event.
7. A data capture device as claimed any one of claims 1 to 6 in which processing means can compress the data captured.
8. A data capture device as claimed in any one of claims 1 to 7 wherein a data capture device is a digital video camera.
9. A data capture device as claimed in any one of claims 1 to 8 which adds a watermark to the image captured by the data capture device.
10. A data capture device as claimed in either claim 8 or claim 9 which includes the ability to detect motion.
11. A data capture device as claimed in any one of claims 8 to 10 which includes means to distinguish over false detection of motion.
12. A data capture device as claimed in any one of claims 8 to 11 which includes means to track objects record the path of movement through the field of view.
13. A data capture device as claimed in any one of claims 8 to 12 which includes infra-red motion detection.

14. A data capture device as claimed in any one of claims 8 to 13 which includes a wide angled lens and an image capture assembly fitted internally at approximately 45 degrees.
15. A data capture device as claimed in any one of claims 8 to 14 characterised in that the camera can be fixed into position by pushing and rotating the camera until it locks onto a mounting bracket which has electrical connections that connect to the camera once mounted.
16. A data capture device as claimed in any one of claims 1 to 6 which is a digital audio device.
17. A method of operating a data capture device characterised by the steps of:
  - a) capturing data, and
  - b) processing the data to a format suitable for communication to a component in a monitoring system, and
  - c) outputting the data processed data
18. A monitoring system which includes a data capture device as claimed in any one of claims 1 to 17.
19. A data capture device substantially as herein described with reference to and as illustrated by the accompanying drawings.
20. A monitoring system substantially as herein described with reference and as illustrated by the accompanying drawings.

21. A method substantially as herein described with reference to and as illustrated by the accompanying drawings.

## PATENT COOPERATION TREATY

PCT

REC'D 23 MAY 2001
WIPO
PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference 16967/3X081	<b>FOR FURTHER ACTION</b>		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/NZ00/00011	International filing date (day/month/year) 10/02/2000	Priority date (day/month/year) 11/02/1999	
International Patent Classification (IPC) or national classification and IPC G08B15/00			
Applicant CARDAX INTERNATIONAL LIMITED et al.			

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 7 sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of 5 sheets.</p>
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li>I <input checked="" type="checkbox"/> Basis of the report</li> <li>II <input type="checkbox"/> Priority</li> <li>III <input checked="" type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li>IV <input type="checkbox"/> Lack of unity of invention</li> <li>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li>VI <input type="checkbox"/> Certain documents cited</li> <li>VII <input checked="" type="checkbox"/> Certain defects in the international application</li> <li>VIII <input type="checkbox"/> Certain observations on the international application</li> </ul>

Date of submission of the demand 22/08/2000	Date of completion of this report 21.05.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Wagner, U  Telephone No. +49 89 2399 8171



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/NZ00/00011

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

### Description, pages:

2-23	as originally filed		
1	as received on	13/02/2001 with letter of	09/02/2001

### Claims, No.:

1-16	as received on	13/02/2001 with letter of	09/02/2001
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### Drawings, sheets:

1/4-4/4	as originally filed
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2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- the language of publication of the international application (under Rule 48.3(b)).
- the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- contained in the international application in written form.
- filed together with the international application in computer readable form.
- furnished subsequently to this Authority in written form.
- furnished subsequently to this Authority in computer readable form.
- The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/NZ00/00011

- the description,      pages:
- the claims,      Nos.:
- the drawings,      sheets:

5.  This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

### III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

- the entire international application.
- claims Nos. 14-16.

because:

- the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):
  - the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):  
**see separate sheet**
  - the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.
  - no international search report has been established for the said claims Nos. .
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:
- the written form has not been furnished or does not comply with the standard.
  - the computer readable form has not been furnished or does not comply with the standard.

### V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/NZ00/00011

**1. Statement**

Novelty (N)	Yes:	Claims
	No:	Claims 1,2,12,13
Inventive step (IS)	Yes:	Claims
	No:	Claims 3-11
Industrial applicability (IA)	Yes:	Claims 1-13
	No:	Claims

**2. Citations and explanations**

**see separate sheet**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/NZ00/00011

- D1: US-A-5 229 850 (TOYOSHIMA KEIICHI) 20 July 1993 (1993-07-20)
- D2: D'SOUZA O: 'DIGITAL & ANALOGUE WATERMARKING OF VIDEO RECORDINGS' IEEE INTERNATIONAL CARNAHAN CONFERENCE ON SECURITY TECHNOLOGY, US, NEW YORK, NY: IEEE, 1997, pages 71-76, XP000788143 ISBN: 0-7803-3914-2
- D3: EP-A-0 689 357 (HARRIS CORP) 27 December 1995 (1995-12-27)
- D4: 'SpeedDome(R) Ultra IV Programmable Dome Cameras' [Online] , SENORMATIC , USA XP002138740 Retrieved from the Internet: <URL: www.sensormatic.com> [retrieved on 2000-05-25]
- D5: US-A-5 689 442 (MOEN JERRY M ET AL) 18 November 1997 (1997-11-18)

**Re Item III**

**Non-establishment of opinion with regard to novelty, inventive step and industrial applicability**

Claims 14-16 contain references to the drawings. According to Rule 6.2(a) PCT, claims should not contain such references except where absolutely necessary, which is not the case here. Moreover, no meaningful statement under Art. 33 PCT can be made, since their scope of protection is absolutely unclear.

**Re Item V**

**Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

- 1.1 The closest prior art for the present set of claims is seen to be D1. In particular, D1 discloses (citations relate to D1, figure 1 and text):

- A data capture device including data capture means (11) and a data output (14),
- processing means to process the data into a suitable communication format (14),
- the device being peripheral for a monitoring system (24,26),
- the data being processed for communication with said monitoring system (14),
- the data capture device including a memory device (13),
- the data capture communicates only selected data (column 1, line 65 - column 2, line 53),

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/NZ00/00011

- the data capture device monitors events,  
- the selected data recorded is the data immediately surrounding and including an event (this feature is disclosed in column 9, lines 35-44, where at the time of event detection the memory is write-disabled, thereby storing the video signal **before** the event occurred).

- 1.2 As can be seen, D1 discloses all the features of claim 1. Claim 1 therefore does not meet Art. 33(1) PCT for lack of novelty.
2. Claim 12 claims a method corresponding to the device of claim 1. Consequently, this method is anticipated by the disclosure of claim 1 and fails to meet Art. 33(1) PCT.
3. The feature of claims 2 and 13 are known from D1. Claims 2 and 13 therefore do not meet Art. 33(1) PCT for lack of novelty.
4. The feature of claim 4 is known from D2. A combination of D1 with D2 would bring a skilled person to this claim, which therefore lacks an inventive step, and does not meet Art. 33(1) PCT.
5. The features of claims 5-8 are known from D3. A combination of D1 with D3 would bring a skilled person to these claims, which therefore lack an inventive step, and do not meet Art. 33(1) PCT.
6. The features of claim 9 are obvious design options for a skilled person. They cannot justify the presence of an inventive step as defined by Art. 33(3). Hence, Art. 33(1) would not be met by claim 9.
7. The features of claims 3 and 10 are known from D4. A combination of D1 with D4 would bring a skilled person to these claims, which therefore lack an inventive step, and do not meet Art. 33(1) PCT.
8. A digital audio device is known from, for example, D5. Claim 11 can therefore not contribute an inventive step, Art. 33(1) PCT is not met.

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/NZ00/00011

**Re Item VII**

**Certain defects in the international application**

1. The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).
2. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 is not mentioned in the description, nor is this document identified therein.

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>16967/3X081</b>	<b>FOR FURTHER ACTION</b>	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. <b>PCT/NZ 00/ 00011</b>	International filing date (day/month/year) <b>10/02/2000</b>	(Earliest) Priority Date (day/month/year) <b>11/02/1999</b>
Applicant <b>CARDAX INTERNATIONAL LIMITED et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
  - contained in the international application in written form.
  - filed together with the international application in computer readable form.
  - furnished subsequently to this Authority in written form.
  - furnished subsequently to this Authority in computer readable form.
  - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
  - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.  Certain claims were found unsearchable (See Box I).

3.  Unity of Invention is lacking (see Box II).

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

4

None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/NZ 00/00011

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G08B15/00 G08B13/196

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 689 357 A (HARRIS CORP) 27 December 1995 (1995-12-27)	1,2,4-8, 10-13, 17,18
Y	column 1, line 47 - line 55 column 2, line 14 - line 26 column 3, line 53 -column 4, line 5 column 4, line 50 - line 54 ----	9
X	US 5 689 442 A (MOEN JERRY M ET AL) 18 November 1997 (1997-11-18) column 3, line 49 -column 4, line 17 column 4, line 46 - line 50 ----	1-8, 16-18

 Further documents are listed in the continuation of box C.

 Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

26 May 2000

09/06/2000

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
 Fax: (+31-70) 340-3016

Authorized officer

De la Cruz Valera, D

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/NZ 00/00011

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	D'SOUZA O: "DIGITAL & ANALOGUE WATERMARKING OF VIDEO RECORDINGS" IEEE INTERNATIONAL CARNAHAN CONFERENCE ON SECURITY TECHNOLOGY, US, NEW YORK, NY: IEEE, 1997, pages 71-76, XP000788143 ISBN: 0-7803-3914-2 the whole document ----	9
X	"SpeedDome(R) Ultra IV Programmable Dome Cameras" 'Online!', SENORMATIC, USA XP002138740 Retrieved from the Internet: <URL: www.sensormatic.com> 'retrieved on 2000-05-25! the whole document ----	1,2,5,8, 15,17
A	US 5 229 850 A (TOYOSHIMA KEIICHI) 20 July 1993 (1993-07-20)	14
A	column 1, line 65 -column 2, line 32 column 5, line 42 - line 49 column 9, line 48 -----	1-7,17, 18 10,11,13

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NZ 00/00011

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 0689357	A	27-12-1995	US	5521634 A	28-05-1996
			CA	2151158 A	18-12-1995
			DE	69516334 D	25-05-2000
			IL	113896 A	05-04-1998
			ZA	9504444 A	06-08-1996
US 5689442	A	18-11-1997	WO	9912354 A	11-03-1999
			AU	4238297 A	22-03-1999
US 5229850	A	20-07-1993	JP	4086086 A	18-03-1992
			CA	2048076 A,C	31-01-1992

## PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

Assistant Commissioner for Patents  
 United States Patent and Trademark  
 Office  
 Box PCT  
 Washington, D.C.20231  
 ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 15 September 2000 (15.09.00)	
International application No. PCT/NZ00/00011	Applicant's or agent's file reference 16967/3X081
International filing date (day/month/year) 10 February 2000 (10.02.00)	Priority date (day/month/year) 11 February 1999 (11.02.99)
Applicant BODY, Nicholas, Bernard et al	

1. The designated Office is hereby notified of its election made:

in the demand filed with the International Preliminary Examining Authority on:

22 August 2000 (22.08.00)

in a notice effecting later election filed with the International Bureau on:

\_\_\_\_\_

2. The election  was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

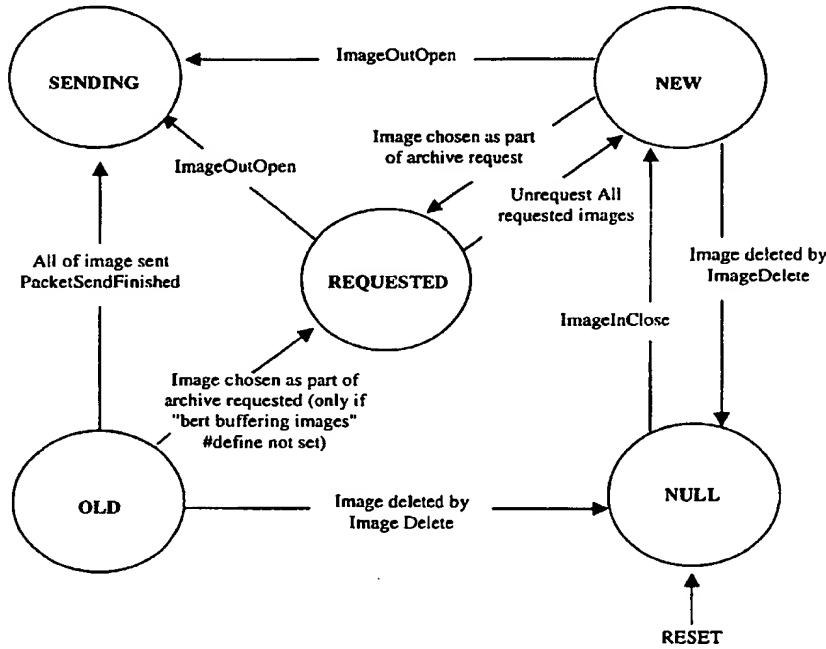
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Beate Giffo-Schmitt
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : <b>G08B 15/00, 13/196</b>		A1	(11) International Publication Number: <b>WO 00/48154</b> (43) International Publication Date: 17 August 2000 (17.08.00)
<p>(21) International Application Number: PCT/NZ00/00011</p> <p>(22) International Filing Date: 10 February 2000 (10.02.00)</p> <p>(30) Priority Data: 334139 11 February 1999 (11.02.99) NZ</p> <p>(71) Applicant (for all designated States except US): CARDAX INTERNATIONAL LIMITED [NZ/NZ]; 2 Station Road, Marton (NZ).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): BODY, Nicholas, Bernard [NZ/NZ]; 63 Wikiriwhi Crescent, Palmerston North (NZ). COLLINS, Felix, Anton, Harold [NZ/NZ]; 12 Manson Street, Palmerston North (NZ). SMITH, Anthony, David [NZ/NZ]; 64 Bredins Line, Marton (NZ).</p> <p>(74) Agents: SIMS, Anthony, W. et al.; 29 Clarence Street, Private Bag 3140, Hamilton 2001 (NZ).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	

(54) Title: IMPROVEMENTS IN OR RELATING TO CONTROL AND/OR MONITORING SYSTEMS



## (57) Abstract

The present invention relates to a data capture device which includes a data capture means, and a data output, and the data capture device characterised in that it includes processing means that to process the captured data into a format suitable for communication through the data output.

**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
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DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

# INTERNATIONAL SEARCH REPORT

national Application No

PCT/NZ 00/00011

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G08B15/00 G08B13/196

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 689 357 A (HARRIS CORP) 27 December 1995 (1995-12-27)	1,2,4-8, 10-13, 17,18 9
Y	column 1, line 47 - line 55 column 2, line 14 - line 26 column 3, line 53 -column 4, line 5 column 4, line 50 - line 54 ---	
X	US 5 689 442 A (MOEN JERRY M ET AL) 18 November 1997 (1997-11-18) column 3, line 49 -column 4, line 17 column 4, line 46 - line 50 ---	1-8, 16-18 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

26 May 2000

Date of mailing of the international search report

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## INTERNATIONAL SEARCH REPORT

International Application No PCT/NZ 00/00011	
-------------------------------------------------	--

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	D'SOUZA O: "DIGITAL & ANALOGUE WATERMARKING OF VIDEO RECORDINGS" IEEE INTERNATIONAL CARNAHAN CONFERENCE ON SECURITY TECHNOLOGY, US, NEW YORK, NY: IEEE, 1997, pages 71-76, XP000788143 ISBN: 0-7803-3914-2 the whole document ----	9
X	"SpeedDome(R) Ultra IV Programmable Dome Cameras" 'Online!', SENSDYNAMIC, USA XP002138740 Retrieved from the Internet: <URL: <a href="http://www.sensormatic.com">www.sensormatic.com</a> > 'retrieved on 2000-05-25! the whole document ----	1,2,5,8, 15,17
A	US 5 229 850 A (TOYOSHIMA KEIICHI) 20 July 1993 (1993-07-20)	14
A	column 1, line 65 -column 2, line 32 column 5, line 42 - line 49 column 9, line 48 -----	1-7, 17, 18 10,11,13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NZ 00/00011

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 0689357	A	27-12-1995	US	5521634 A	28-05-1996
			CA	2151158 A	18-12-1995
			DE	69516334 D	25-05-2000
			IL	113896 A	05-04-1998
			ZA	9504444 A	06-08-1996
US 5689442	A	18-11-1997	WO	9912354 A	11-03-1999
			AU	4238297 A	22-03-1999
US 5229850	A	20-07-1993	JP	4086086 A	18-03-1992
			CA	2048076 A,C	31-01-1992